

Bartlett

1933

124761

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RECORD

Contents Scanned
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Norcross - Bartlett Exped.
1933

Acc. 124761

Fox Basin and Vicinity.

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Clarence R. Shoemaker
National Museum

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BIOLOGICAL SOCIETY OF WASHINGTON

ERNEST P. WALKER, President

The 915th meeting of the Society will be held on Saturday evening, November 15, 1941, at 8 o'clock, in the Assembly Hall of the Cosmos Club, entrance on Madison Place at the gate south of Cameron House. Regular Council Meeting at 7.30 P. M.

Visitors are welcome.

COMMUNICATIONS

Review of Recent Books. (15 minutes.)

FRANK THONE, Science Service.

Items of Interest in the Biological Field. (15 minutes.)

PROGRAM

Wildlife in Color. (Kodachrome, 1 hour.)

CLEVELAND GRANT, Covington, Kentucky.

Mr. Grant is a nationally-known lecturer and wildlife photographer.

L. K. COUCH,
Fish and Wild Life Service
Chairman, Committee on Communications.

J. S. WADE,
Entomology and Plant Quarantine,
Corresponding Secretary.

Members are urged to submit names of qualified persons who would like to become members.

SPECIAL NOTICE—A few copies of the following publications issued by the Society are still obtainable from the corresponding secretary at the prices indicated:

“Birds of the Washington, D. C., Region,” by M. T. Cooke, 79 pp., octavo, paper, 1929, 50 cents.

“International Rules of Zoological Nomenclature,” 28 pp., octavo, paper, 1926, 50 cents.

“The Mammals of the District of Columbia,” by Vernon Bailey, 35 pp., octavo, paper, 1923. 25 cents.

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Fish. Page 25:-

DREDGE pp 15.

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Miscellaneous :- pp 50.

Plankton pp 15.

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P

Stomachs:— pp. 100

Q
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S

DREDGE - And Plankton.July 25th 1933 -

3 miles South from Salisbury Island

Depth - 20 fathoms. -

July 25th 1933

1. 3 miles South from Salisbury Island

Depth 27 fathoms: -

In each of these cores, the imminence of ice forced us to which the dredge up in a hurry and as a result it is probably not representative of the bottom, as well as being deficient in the smaller forms.

3 Plankton net down 3 hours fishing with Strong Current - running 4 knots ~~at~~ Two miles from shore. Ship Anchored. in 5 fms water South Shore South Hampton Islands. Hudson Bay Aug. 3. 1933.

4 Same thing as above only net was out 6 hours. Current running East with tide perhaps more swiftly than above.

5 Glass Jars Content of which contain material obtained at same place as above. ~~from~~ from reef floating by and the Pebbles were gotten by me of Dr. Schmidt's Cup dredge. Ship Anchored. Along the coast is low and shingly. Bottom loose stones difficult to get our anchor to hold. Kelp makes the dredge useless on the bottom. it will not fish. Aug. 4-33

6

~~Same as # 5~~

South shore South Hampton Id's
Hudson Bay, ship at anchor in 5 fms

7 of from a lot of kelp floating off Balsam Lake Pt. West of Balsam Island, Southampton Island, or Manicouagan Aug 4th 1933.

8 taken from kelp floating by an anchor at anchor mouth of the Bay of Good Friday, Southampton Island, Hudson Bay (Aug 5th 1933).

9 plankton net - which we were anchored by Good Friday, Southampton Island Aug 5th 1933. At this anchorage we find currents erratic and not constant for the full time of ebb and flow. Neither are the currents so swift of course we are 5 to 6 miles from shore anchored in 7 fms water and maybe out of the flood either way.

10. 5 miles west of Monico Point, Southampton Island, Hudson Bay. August 6th 1933. Workings of Kelp taken from anchor when hoisted.

11. Aug 6th 1933 - 5 miles west of Monico point, Southampton Island, Hudson Bay. Plankton net - at surface.

#12 Aug 7th 1933. Close to Beach off
 Cape & 2 s Southampton Island.
 Smooth (east) Bi Thomas Cowles welcome.
 Plankton net - down 15 minutes. 200 fms
 running - 41 fms. Net fishes from vessel.

✓ #13 Same as #12 } Overhaul (2 bottles later)
 ✓ #14. #13 } continued

#15 " " #14 - in large fruit jars -

August 9th 1933.

White Island, Frozen Strait -
 Fox Channel -

Aug 9th -

#16 Plankton towed behind boat whilst
 using dredge - 15 minutes. -

Aug 9th -

#17 Using #1 Schmitt's grab from side
 of vessel while anchored in 12 fms water.

Aug 9th -

#18 Dredging for one hour - dredge
 hauled four times - ~~net~~ would foul
 in boulders. - Depth 12-30 fathoms.
 Contents of these hauls labelled under numbers
 18, 19, 20 - In large fruit jars.

Same as 18.

1920-

#21

Whitel-Anderson this Am used Dredge
dragging it from the length of the road. This
was done at 3 different times. The Collector is
in N. Extreme End White Island. (West end) Near
Covey Straits. Tugboat Strait. Fox Channel. Aug 10th 1933

*22 Plankton Net ten minutes towed
by small Tugboat Fox Channel home
towing back about four Fox River.
Aug 10th 1933.

#23, #24, #25, #26:-

DREDGE - contents in four large (quart).
fruit jars labelled under nos 23, 24, 25 & 26.

Position -

Hurd

Ducketts Cove, Hurd Channel Melville Pen.
August 11th 1933. - (Fox Channel, Tugboat ^{FR 22 PM} Strait)

12 fm. water Dredging done by Whale Boat
towing. Dredge 1 hour and 15 minutes.

Several times Dredge was hauled up and
emptied. Haul cleaned by washing
sea weed in fresh water and a
straining through Plankton Net.

#27

Dredge Contents in 3 (thru.) large quart
fruit jars labelled under nos #27, 28, 29
Position Duckett's Cove. Hurd Channel
Melville Peninsula Aug 12th 1933 7^{page}
Fox Channel, Tugboat Strait

From 9 am to 1 am two men in small boat plowed land on large pack ice then tow the dredge slowly or haul in by hand. Sometimes in a fathom of water other times 13 to 14 fms. Many times dredge was heeled up. Of course the persons doing this were unaccustomed to this sort of work. Haul was cleaned by working sea water in fresh water and sifting through plankton net. ~~The two~~
One large star fish to large for jar placed in alcohol tank.

30 Dredge contents in 4 glass quart fruit-jars. Labeled dredge nos. 30. 31. 32. 33. Positions and all details of collection pretty much the same as yesterday Aug 12th.
Date of today's collection Aug 13th 1933.

✓ # 34 Plankton Net. Position frozen Strait ~~Mouth of~~ Fox Channel. Set down ten minutes. as ship drifted through ice - Aug 14, 1933

35 Aug. 15, 1933.
Frozen St. Frozen strait, Fox Channel.
Plankton net towed behind vessel for 15 minutes ^{at low speed} fine clear day - calm - many seals in water and ^{a few} on ice - much ice.

#36. - Same as for #35:- Aug 15 - 1933 - late in day:-
Net towed for 10 minutes.

#37. ✓ August 16th - frozen strait - Plankton.
Moderate east wind, raining -
Tight ice on one side of strait, open water
on the other. - Seal and narwhal playing
around. - Net towed behind vessel for
about 20 minutes at slow speed and shifting. -
Net very slimy - Greenish colour. Some of slime
squeezed into jar.

#38. Aug. 16th. Frozen Strait - Plankton
Wind East. Wind with rain. Losers Bay
on starboard when ice was ~~thick~~ ~~#37 was~~
toward by ship. Net overboard for 25 minutes
going slow ahead.

#39 Aug 16th. Same position as #37 samples
from bottom taken up by dredge 22 fms
to 35 fathoms.

#40 Aug 16th "Dredge" let down for 15 minutes
in 20 fms. Then ^{shifted} to 14 when it was ^{then}
taken up. Contents in jar No. 40. Near north
West end of Vansittart Island. Frozen Strait.

W 41

Aug 17th 1933. Ship Anchored in Sound Channel between ~~Bushman~~ Islands and Melville Peninsula 11 fms water. Dredge was hauled fore and aft the length of ship. It was a Rocky Bottom as the Grounded ice showed all mud, silt, and sand, from off the bottom. Coming in to Anchorage in deeper water we found softer bottom too deep for ice to scour. All that is in the Small Bottle No 41 was taken in two hauls.

W 42

Aug 17th 1933. 3 hauls of dredge taken in boat for a distance of 100 fms of line from ship. The dredge when settled on bottom was slowly hauled by men to ship. Large quantities of sea weed washed in fresh water; and strained for plankton. Position same as W 41.

W 43

Aug 19th 1933. 3 hauls of dredge used the whale boat to tow dredge for 2 hours in a channel between two framed Islands south of Cape Martineau, Melville Peninsula, depth of water from 10 fms to 15 fms. Heavy old floes of ice from Ross Basin fills this channel and they have the bottom scoured in the passage to and fro. Glued with fresh water.

Just to eastward of Duckett's Cove as shown on chart.

eastern end of Hurd
channel.

* 44 Plankton taken while vessel was anchored with the Grabs loaned to us by Dr. Hulbert Schmitt. in a cove on the east side of an island in Sturges Bourne Strait. Melville Peninsula. depth water 9 1/2 fms. Aug 18th. 1933.

Nos. 45. 46. 47. 48. 49 Glass jars are the contents of the dredge left down as we entered a nice quiet place between Cape Martineau and Mc Karen. South end of Melville Peninsula Aug. 19th. 1933. The ship toward it for 100 fms. then when anchored it was slowly hauled in by one man without a hitch. The depth of water was 25 fms to 7 fms. It was then strained in fresh water and all contents put in the above number of glass jars.

* 46 When dynamiting old floors of ice which buried our passage to Devon Inlet a few of the fish if # 46 came to surface. The bulls were much quicker than we ever saw on this one. Position - A small granite to Devon Inlet. Near Cape Martineau Melville Peninsula. Aug. 20th. 1933

Aug 23 Bottoms have been over a lot top and 12 bottles recovered containing
anything but flooded in bottom.

23
Melville Min. ^K

Nos 47 same as # 45

and 48
Contents of dredge coming to anchor in
a cove to the westward of Cape Edwards
On the eastern side of the cove
Dredge had a lot of mud which
was washed in fresh water, and
a enough saved to fill the two
jars. Nos. 47 and 48.

49 The contents of No. 49 is the result of two men
of the crew sent on shore in the band boat after
the tide had gone out. The worms gathered
are about one foot above low water level
in deep white mud, the worms burrow ten
inches in this mud. And when the tide comes
in, covering them they come ^{through the mud} up so that one
can see them spreading out like a flower.
Position - "The Cove" on the up the shore of Lagon
Mlet. Melville land. Fox Channel. August
24th. 1933.

50 Contents of # 50 same conditions ^{as # 49} place
as yesterday. Aug 25th. 1933.

51. 52 plankton net mouth of Lagon
Mlet - Melville Plummerland. Aug
27th. 1933. toward net trap was
floated through ice all night
and in open water.

* 54 Dredge down for 5 minutes -
tow off by ship just before & then
Carve off surface of mud ^{and} much ice
St allow water. Aug 27 '33
Position Winter Harbour. Winter
Island. River outlet Fox Channel
* Note. It was here in 1821-1822. His Majesty's Ships
FURY. and HECLA. under command Captⁿ W.E. Parry ^{Winter 1820}

* 53 Taken from Anchors. See Weed
and mud washed in
fresh water. Aug 27th 1933
Barrow Harbour. Lyon Inlet -
Melville Peninsula. Fox
Channel.

55. Gathered also from Anchors when
hoisted at Murray's Dr. Lyon Inlet. Melvi-
lle Peninsula. The mud and Kelp was
washed in fresh water and strained
through net. Aug. 27th. 1933.

✓ 56. Plankton Net. Aug. 30th 1933, Anchored Mouth
of Barrow River Melville Peninsula. Fox Basin.
Strong Current - 1 to 4 knots. Water temp 35.5° and
when big lot of ice came in 31.5°

Cleared of
strong currents
by ship's bow.

July 20th: 1933. —

#1
Lat 61.2. N.
Long 64.25-W:-

19 hrs S.C.T. Fish found on ice - exposed - Fulmar gulls
around: - Seemed to have been dead for some
time and eyes were torn out and it was
poorly eviscerated per anum. -

The fish was about three feet from the
edge of the pan - The few blades of grass
were adhering. -

#2. August 11th 1933 -

Ship anchored in Duckett's Cove, Hurd
Channel, Fox Channel, Melville Peninsula -
These little fish taken in a small
stream joining two lakes - The lakes
were low and separated from the high
water mark by about 50 yards of
low shore: - It is probable that
the high spring tides enter it as
the water is brackish: - (salted)

Aug. 26 fish see #16 p. 22

#3. Fish taken in Eskimo net at mouth of river.

Aug 29th. 1933 -

Borrow River.

Melville Peninsula - wrapped & put in
alcohol bad tank.

(Continued on Page
No.).

✓ #57 Off Cape Penrhyn. Fox Basin
Aug 30 & 1933. Anchored. Net
tipped with strength of current,
Position and date

✓ #58 Same as #57. Except that
it's an independent sample
to #57. Current running 200.

✓ #59 Plankton. Position ^{and date} same as #57 + 58.
Net down for 2 hours. Ship Anchored Polown
Wind from N.W. Current running the same.

✓ #60 Plankton Net-down from 6 am to noon. Ship
anchored in same place as #57, 58, 59.
Currents irregular in the loch. Outside flood
runs 18 hr. Ebb 6. No ice near when this
was done. Aug. 31st 1933. Blowing also
North Wind.

✓ #61 Plankton same as #60

✓ #62 Dredge! Whilst Anchored Dredge
was hauled the length of vessel
in 11 fms water. Rocky bottom.
Position: Bright. Cape Penrhyn. Fox Basin,
Aug 31st 1933

✓ #72. Plankton net - towed by ship for 1/2 hour from Slow ahead. "Fury and Gorda strait." Floating ice, Walrus and seal plentiful. On ice and in water. lots of Northern Phalaropes feeding. Sept. 3d 1933.

#73 Dredge; Contents obtained from dredge tows by ship as she went to her anchorage. This is when in late ~~face~~ winter, spring and early summer, the walrus are abundant. although we saw none nevertheless they come when seasons and ice conditions are ripe. depth of water 8 to 10 fms. Place close to settlement of Pingitkaliuk. Eskimo Village Estremo and Ingrile Peninsula North East Greenland. Entrance "Fury and Gorda Straits". Contents washed in fresh water and drained in plankton net. Sept. 5th 1933.

✓ #74. Plankton. Towed by ship Slow ahead between the Island of "Ooglit" and the Eskimo Village of Pingitkaliuk. N.E. end of Melville Peninsula Fox Basin or entrance. The strait of Fury and Gorda same place as dredge #73 was towed back down together. Sept. 5th 1933.

*75 Plankton net out 10 minutes, when going into Andros Igloolik Harbor Igloolik Island. Fury & Haida strait. September 5th 1933.

*76 Plankton from Net-down 5 minutes going to Andros. ~~at~~ Pingitkalik. Sept 6th 1933

*77 Dredge, Net let-down coming to Andros and toward for a short distance Pingitkalik. Straits Fury and Haida N.E. corner Melville Peninsula Sept 6th 1933.

*78. *79. *80 and *81. The Contents of the four Bottles of Plankton were taken from midnight to 8 a.m. whilst anchored in a gale of W. wind and snow, September 7th 1933. Position, Pingitkalik an Eskimo village on the N.E. end of the Melville Peninsula. ~~for~~ ^{Bogsin} ~~the~~, ~~an~~ entrance to the Strait of the Fury and Haida.

*82. *83. *84. Same date and Position as *78. ~~at~~ ^{except} these were made from 8 a.m. to Noon.

5. 86. and 87. Plankton same date
and position as Numbers 78 to 84
taken from noon to 4 ^{pm}

88. 89. and ^{and # 91} 90. Plankton; same date and
place as Numbers 78 to 89. Net fished
from 4 to 6 ^{pm}.

92. Same as # 78 to 91 except that this was
taken from net just before dark.
Position and date same.

93. 94. 95. Same as # 78 to 94 net fished
from 6 am. to 8 am. unless we got
under way. Towed # 95 for about while.
Perhaps 8 minutes.

96. Plankton, Coming to anchor in a
Bight or Cove on the south side
of the Dorset Shore about 15 miles East
of Trinity Islands. To channel. Baffin
Bank. Net-fished for 15 minutes toward
as ship cleaned plot to anchor Sept. 11th 1933
and bag. # 97 and # 98

97. Dredge. Jar coming to anchor in a cove
and south shore Dorset Banks, To channel.
Baffin Bank. Dredge was lowered and towed
slowly until we anchored. Contents washed and
strained through plankton net. Sept. 11th 1933.

98.

✓ \$99

Rawton Contents from ~~the~~
 hanging to stern at anchor and
 drifting with current from 6^{pm}
 to 4^{am} of ~~the~~ September 11th and 12th 1933
 Place of position same as # 965

\$ 98

✓ \$100

Contents of this Bag Mud taken from
 flukes of anchor of the Coor of the
~~Cape~~ Dorset Shoy; Fox Channel,
 Baffin land. Sept 12th 1933.

Note: The Dorset land is on the North side of
 Fox Channel, between the Trinity Islands
 and Cape Dorset. Baffin land or
 Island.

Note. A Photostat of the Region
 covered in this ~~Summer~~ ¹⁹³³ is enclosed
 with Anchorage and all places
 mentioned marked in Red &
 enclosed. Viz - for references
 purposes a similar chart covering
 the work done in 1927 is also
 included. My reason for enclosing
 the 1927 chart is that the work
 done may possibly be tied in
 with that of this Summer 1933.
 When finished I will take both charts returned.

Fish. Continued from Page 25.

#4. #5 #6 8 & 1. September 17th 1933. and Ternavick Island Harbour - near Inukhovik - Labrador. These trout taken ^{at} mouth of river in pool at foot of ^{water} fall. -

#8. September 17th 1933 - Ternavick Island - Labrador. This small fish came out of the mouth of a codfish taken near Ternavick - It was kept in salt until we arrived -

Miscellaneous material.

1. July 26th :-

Wind light NNE. Foggy :-
 15 miles SSW of Salisbury Field and on a large
 ice floe between Nottingham & Salisbury - Three
 specimens taken. - mostly from little pools of
 fresh water on the ice - This ice is coming
 out of Foxe Basin.

2.

July 30th :-

Triced from anchor paw - anchorage (^{Coral}
 Harbour) in the South Bay, Southampton Island -
 five fathoms :- Few shrimps etc from
 low. ~~high~~ water mark

3.

August 9th.

White Island -

Groogen Strait -

Seamings caught on shore.

4

August 11th, 1933.Duckett's Cove, Hurd Channel, Melville Peninsula,
 Seaming caught on shore.

5.

August 15th Duckett's Cove, Melville Peninsula.
 Dredged from Anchors. Depth of water 13 fms.

#6.

Aug 21st. 1933 - Anchorage midway between
Cape MacLean and Cape Matthewson, Melville Peninsula.
Taken from seaweed on anchor. -

#7.

August 5th 1933.

Bay of God's Mercy, Southampton Island
A few specimens picked up with forceps
on the littoral - The tide here rises 8 feet
about and runs out in places for half a mile
or more. The adjoining shore line is very low,
swampy and marshy - A polar bear was
seen in the vicinity of these specimens -

#8.

August 9th 1933

Cape Dugid, Southampton Island: -

There ~~were~~ calculi taken from a red
throated loon and may be of interest to some
animal pathologist. They were quite free
in the body cavity near the ~~posterior~~ dorsal wall -

I cut the large one and it rather reminded me of
a caseous lymph nodule as my knife cut through
it but there did not seem no apparent vascular
connections. -

#9.

Sept 17. 1933 -

This grouse taken on Labrador mainland
near Makkovik by Thomas Hyall. He skinned it
but omitted sex determination - He stated that it
jumped instead of ran along.

July 25 82 miles South from Salisbury Island.

1933. #1 Stomach of Polar Bear:-
Bear swam for a long distance in water before it was taken:-

#2 Aug 6th -
10 miles E. of Cape Fullerton -
Sir Thomas Bowes Weller -
Stomach of Bearded Seal. -
Notice a number of tape worms, prob. accounting for the large tumors -

#3 Aug 6th -
10 miles E. of Cape Fullerton - Fullerton
Stomach of the Rata Seal.

#4 Aug 6th -
10 miles E. of Cape Fullerton -
Stomach of the Rata Seal.

#5. Quont fruit jar:- Aug 11th & 12th 1933:-
Duchetts Cove, Good Channel, Trogen Strait.
Melville Peninsula -
Jar contains stomachs of mammals taken on shore and ~~in~~ (in winter coat). - The animal stomach bears a label:-

#6. Aug 15. 1933:-
Extreme S. end of Trogen Strait, Fox Channel.
Stomach of the Rata Seal.

#7. Aug 15, 1933: - ^{Frozen}
South end of Dvojern Strait, Fox Channel,
Stomach of Square Slipper Seal: - Shot on
ice: -

#8. Aug 21st. 1933 - ^{McLville Islands}
Lyon Inlet, East of Cape Montreal -
Stomach of square Slipper Seal. Shot
on ice: - ² _{ovaries} and embryos preserved in $\frac{1}{2}$ pint
jars.

#9. Aug 21st 1933 -
Lyon Inlet - East of Cape Montreal -
Part of stomach contents of ringed seal -

#9A. #8
Worms from gullet of ringed seal -
Same as #9: -

#10: - September 3rd, 1933: -
Tury and Necla Strait: -
Stomachs of Square Slipper seals - (10, 11, 12, 13).
These seals were all shot on floe ice and
had been on ice long enough to become dry
and quiet. - Weather was calm, fine and
clear. -

11
12
13
Contents of Stomach #10 in muslin
Bag: - Tape worms were found in abundance
of which a piece is enclosed and extending into
the pyloric orum. - Nematodes were

Stomachs 11, 12, & 13, preserved intact. —

#14

September 17 & 1933 -

Island Harbors, Labrador, (near Makkovik).

Stomachs of trout taken in pool at mouth
of river - Specimens # H. S. 6, 87. pp 40 -.

井 15.

most for containing a number of birds' stomachs -

#16

Cove midway between Cape Mac-Laren and
Cape Moreton, Melville Peninsula -
contents of stomachs of two young
gyrfalcons. F. rusticosus. August 20th 1933.

17.

Bosson River. Melville Peninsula, Aug 29th. 1933.

Stomachs of two young duck hawks.
F. peregrinus anatum

18. May - same bottle:-

August 30th 1933.

8. Cape Penrhyn - Melville Peninsula -
Stomach of white gyrfalcon - *F. islandus*.

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19. Igloolik Island. Fury & Hecla strait.
September 5th. 1933:-

Stomach & viscera of Falco islandus -
As some tape worms were seen in the
body cavity so the viscera were removed completely.

[It might be of interest to note at this
point that the white gyrfalcons
seen on the trip circled around the ship
and finally perched on the masthead -

There were ⁽³⁾ ~~seen~~ in this position -
The fourth was seen inland, and hunting
alone.]

20. September 4th 1933.

Igloolik Island - Fury & Hecla strait.

Stomachs of young red throated loons (Gavia
stellata)

21. September 4th 1933.

Igloolik Island - Fury & Hecla strait.

Stomachs of adult red throated loons.
Gavia stellata -

